



STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
COLUMBIA ENVIRONMENTAL FIELD OFFICE

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September 16, 2014

Honorable Dennis Webb
Mayor
Town of Bell Buckle
PO Box 276
Bell Buckle, TN 37020

Re: Compliance Evaluation Inspection
 Bell Buckle STP
 NPDES Permit No. TN0020591
 Bell Buckle, Bedford County, Tennessee

Dear Mayor Webb:

On August 22, 2014, I conducted a Compliance Evaluation Inspection (CEI) at the Bell Buckle Wastewater Treatment Plant. A CEI is conducted to determine compliance with the NPDES permit and to review the operation and maintenance of the wastewater treatment plant and collection system. The following observations were made during the inspection:

1. The current NPDES permit became effective on August 1, 2014 and shall expire on July 31, 2018.
2. The facility has applied for and received coverage under the General State Operating Permit for the Land Application of Non-Exceptional Quality Biosolids. Permit No. TNB020591 was issued on July 8, 2014 and shall expire on April 30, 2019.
3. The annual sludge report for wastewater solids land applied in 2013 was submitted as required by the permit.
4. The laboratory is equipped to perform the analytical testing requirements of the permit. Laboratory equipment was calibrated by Labtronix in June 2014. The general laboratory housekeeping was very good. A new Thermo Scientific Precision for BOD's and a new IDEX Quanti-Tray Sealer Model 2X has been purchased since the previous inspection. Bench sheets were available for review for Daily flow, Dissolved Oxygen, Settleable Solids, Ammonia, Total Suspended Solids, e-coli and Residual Chlorine.

5. Plant upgrade projects are being scheduled at the wastewater treatment plant. The first project consists of the installation of a new headworks with a vertical screw screen compactor and control panel, a 6 ft. screen manhole, free standing jib crane, crane hoist, trolley and chain on a surrounding concrete slab. The following upgrades will also be made to the wastewater treatment plant; clean aeration basin and digester, replace clarifier weir, weir plates, drive and sprockets. New air diffusers will be installed in the aeration basin. Flow will be diverted to the equalization basin during the plant upgrade.
6. A new perimeter fence will be installed around the property boundary of the wastewater plant upon completion of the projects.
7. The Basin 5 Sewer Rehabilitation project has been completed. There has been a noticeable decrease of flow from wet weather events into the wastewater treatment plant after completion of the project. It was estimated that between 28-32% of the previous inflow and infiltration (I&I) entering the plant was from the Basin 5 area.
8. Defective service lines identified during CCTV inspections were repaired at the lateral connection. Manhole cracks were lined with a Spectra-Shield coating.
9. Consideration should be given to rehabilitating the Cascade School lift station based on the age of the system. The lift station is visited daily during operating months of the school. A log book needs to be maintained for daily visits to the lift station. The date, time of visit, person conducting inspection needs to be recorded in the log book. Any maintenance performed on the lift station should also be documented in the book.

This concludes my observations. I would like to thank Mr. Johnson for his time and cooperation during the inspection. If you have any questions you may reach me at 1-931-840-4166 or by e-mail at gary.horne@tn.gov.

Sincerely,



Gary Horne
Division of Water Resources



TDEC - Division of Water Resources

ICIS NPDES Facilities Inspection Report

Facility Data

NPDES ID:	TN0020591	Facility Site Name	Bell Buckle STP		
		Address	Bell Buckle Wartrace Road, Bell Buckle, TN 37020-0276		
Permit Eff. Date:	Aug 1, 2014	Permit Exp Date:	Jul 31, 2018	SIC Code:	

Compliance Monitoring Information

Compliance Monitoring Activity Name	Compliance Evaluation (non-sampling) (CEI)				
	* If Bio Monitoring is selected above, select the method used:				
Compliance Monitoring Activity	Evaluation				

Compliance Monitoring Dates/Times

Entry Date/Time (mm/dd/yyyy hh:mm):	08/15/2014 10:00	Exit Date/Time (mm/dd/yyyy hh:mm):	08/15/2014 12:00
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Facility Representatives

Randy Johnson, Operator, 931-389-9513	Honorable Dennis Webb, Mayor, 931-389-9513
On-Site Representative(s) Title, Phone Number	Responsible Official(s), Title, Phone Number

Statute and Section Information

Federal Statute:	CWA - Clean Water Act	State Statute:	Tennessee Water Quality Control Act
Programs:	NPDES- Base Program (Limits, Reporting, & Schedule)		

Compliance Monitoring Reason: Core Program

Compliance Monitoring Agency Type: State Agency Name: TDEC - DWR

Did EPA assist/ Inspection? No Time Physically conducting activity: Days: Hours: 3

Inspection Type: State Compliance Monitoring Action Outcome: No Violation

Lead Agency: State Compliance Monitoring Rating Code: Unrated

If Joint Inspection, what was the purpose of the other party?

Areas Evaluated During Inspection (Check only those areas evaluated)

<input checked="" type="checkbox"/> Permit	<input type="checkbox"/> Self - Compliance Program	<input type="checkbox"/> Pretreatment
<input checked="" type="checkbox"/> Records / Records	<input type="checkbox"/> Compliance Schedule	<input type="checkbox"/> Pollution Prevention
<input type="checkbox"/> Facility Site Review	<input checked="" type="checkbox"/> Laboratory	<input type="checkbox"/> Storm Water
<input checked="" type="checkbox"/> Effluent / Receiving Waters	<input checked="" type="checkbox"/> Operations & Maintenance	<input type="checkbox"/> Combined Sewer Overflow
<input checked="" type="checkbox"/> Flow Measurement	<input checked="" type="checkbox"/> Sludge Handling / Disposal	<input type="checkbox"/> Sanitary Sewer Overflow

Compliance Monitoring Summary

EPA and State Representatives

	TDEC/DWR/931-840-4166	9-16-14
Inspector's Signature	Agency / Office / Phone	Date
	TDEC/DWR/931-840-4153	9-16-14
Manager's Signature	Agency / Office / Phone	Date

(Note: This form can only be printed to an XPS document, then saved for later use.)